

Liste der Familienmitglieder

6 family members for:

EP0562149

Derived from 5 applications.

1 Keinen englischen Titel gefunden

Veröffentlichungsdaten: **AT123242T T** - 1995-06-15

2 Device for machining thin-walled hollow cylinders using a laser beam

Veröffentlichungsdaten: **DE59202409D D1** - 1995-07-06

3 Apparatus for laser machining a hollow cylinder having a thin wall.

Veröffentlichungsdaten: **EP0562149 A1** - 1993-09-29

EP0562149 B1 - 1995-05-31

4 Device for machining thin-walled hollow cylinders using a laser beam

Veröffentlichungsdaten: **ES2075512T T3** - 1995-10-01

5 Device for machining thin-walled hollow cylinders using a laser beam

Veröffentlichungsdaten: **US5386097 A** - 1995-01-31

Daten sind von der **esp@cenet** Datenbank verfügbar - Worldwide

Apparatus for laser machining a hollow cylinder having a thin wall.

Veröffentlichungsnummer EP0562149

Veröffentlichungsdatum: 1993-09-29

Erfinder RUECKL SIEGFRIED (AT)

Anmelder KUFSTEIN SCHABLONENTECH GMBH (AT)

Klassifikation:

- Internationale: B23K26/08; B41C1/14; B23K26/08; B41C1/14; (IPC1-7): B23K26/08; B41C1/14

- Europäische: B23K26/08D; B41C1/14L

Anmeldenummer: EP19920105351 19920327

Prioritätsnummer(n): EP19920105351 19920327

Auch veröffentlicht als

US5386097 (A1)

EP0562149 (B1)

Zitierte Dokumente

US5079401

US4808790

EP0338816

US4644129

Datenfehler hier melden

Zusammenfassung von EP0562149

The invention relates to an apparatus for machining the surface of a thin-walled hollow cylinder (8) by means of a laser beam (4), striking the hollow cylinder (8) at least approximately radially and movable in its longitudinal direction, in particular for producing a rotary screen, having a supporting bearing (21), which can be moved along with the laser beam (4), for supporting the hollow cylinder (8) along its periphery. The supporting bearing (21) is arranged in a stationary position in the peripheral direction of the hollow cylinder (8) and thus cannot rotate around it, while in addition the laser beam (4) passes through a radially running recess of the supporting bearing (21). In this way, the vibration damping of the hollow cylinder (8) can be carried out in direct proximity to the striking point of the laser beam (4) on the hollow cylinder (8) so that very exact patterns can be produced.

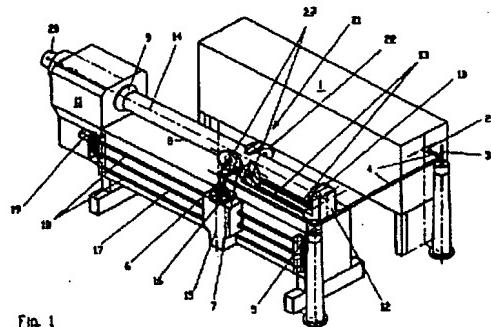


Fig. 1

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Device for machining thin-walled hollow cylinders using a laser beam

Veröffentlichungsnummer US5386097

Veröffentlichungsdatum: 1995-01-31

Erfinder RUECKL SIEGFRIED (AT)

Anmelder: KUFSTEIN SCHABLONENTECH GMBH (AT)

Klassifikation:

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Anmeldenummer: US19930038294 19930325

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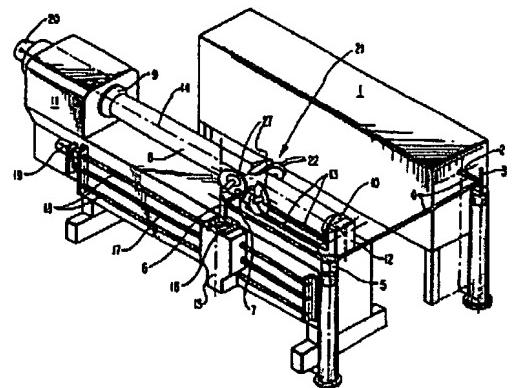
EP0562149 (A1)

EP0562149 (B1)

[Datenfehler hier melden](#)

Zusammenfassung von US5386097

A device for machining the surface of a thin-walled hollow cylinder using a laser beam. The laser beam is directed essentially radially onto the surface of the hollow cylinder and can be moved in a longitudinal direction along the cylinder's length as the cylinder is rotated, producing a rotary screen. A support bearing can move along with the laser beam for supporting the hollow cylinder around its circumference. The support bearing is stationary in the circumferential direction of the hollow cylinder, that is to say it cannot rotate around the latter, while in addition the laser beam passes through an opening extending radially in the support bearing. As a result, the vibration of the hollow cylinder can be damped in the immediate vicinity of the point of impingement of the laser beam on the hollow cylinder so that very precise master patterns can be generated.



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